

M5 SERIES
P10SG-XXXXZM 1 KV ISOLATED 2 W REGULATED DUAL OUTPUT DIP24
Available Inputs:
5, 12 and 24 VDC
Available Outputs:
(+/-) 3.6, 5, 7.2, 12, 15 and 18 VDC

Other specifications please enquire.

Electrical Specifications

(Typical at + 25° C, nominal input voltage, rated output current unless otherwise specified)

Input Specifications

 Voltage range +/- 10 %
 Filter Pi Network

Isolation Specifications

 Rated voltage 1000 Vdc
 Leakage current 1 mA
 Resistance 10⁹ Ohm
 Capacitance 60 pF typ.

Output Specifications

 Voltage accuracy +/- 2 %, max.
 Ripple and noise (at 20 MHz BW) 75 mV p-p, max.
 Short circuit protection Continuous , restart automatic
 Line voltage regulation +/- 0,5 % max.
 Load voltage regulation +/- 0,5 % max.
 Temperature coefficient +/- 0,02 % / °C

General Specifications

 Efficiency 65 % to 85 %
 Switching frequency 125 KHz, typ.

Environmental Specifications

 Operating temperature (ambient) -40°C to +85°C
 Storage temperature - 55 °C to + 125 °C
 Derating See graph
 Humidity Up to 90 %, non condensing
 Cooling Free air convection

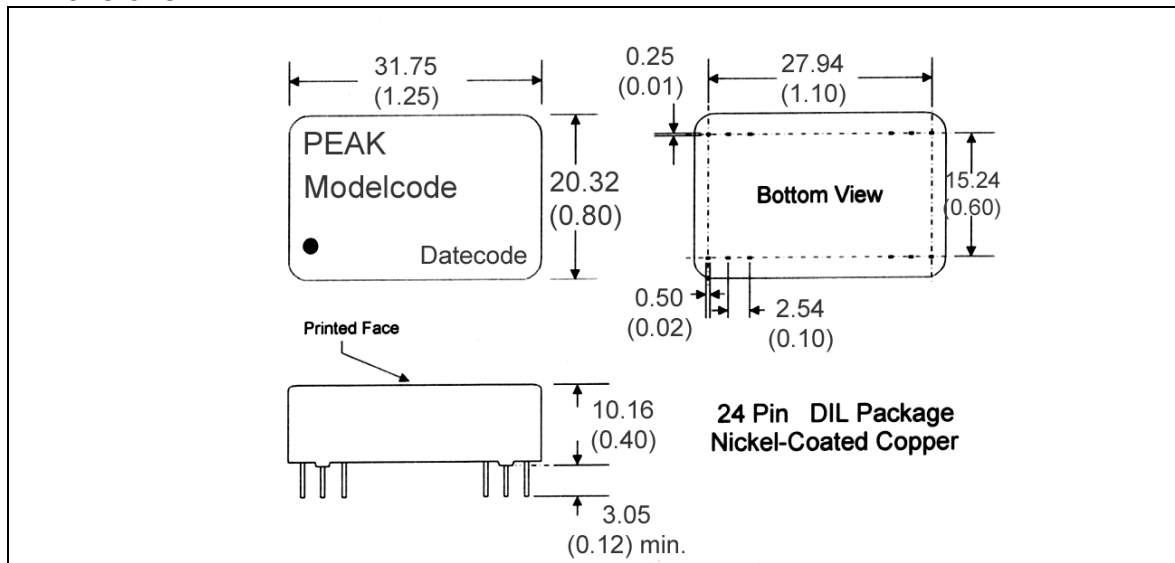
Physical Characteristics

 Dimensions 31,75 x 20,32 x 10,16 mm
 1,25 x 0,80 x 0,40 inches
 Weight 14,5 g
 Case material Nickel Coated Copper

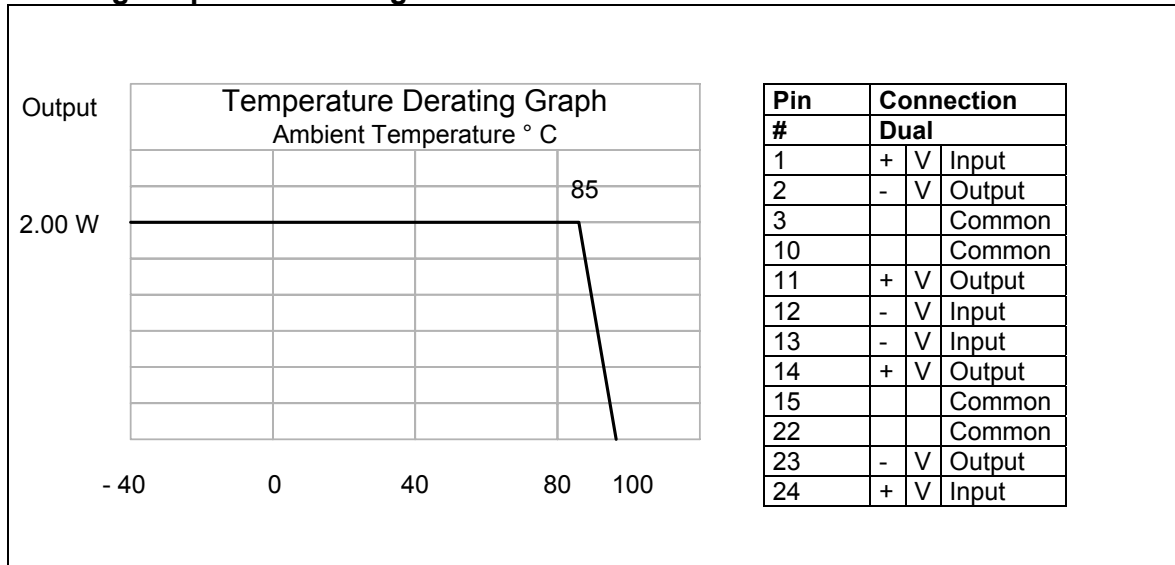
Examples of Partnumbers/Modelcode

| PART NO. | INPUT VOLTAGE (VDC) Nominal | INPUT CURRENT NO LOAD | INPUT CURRENT FULL LOAD | OUTPUT VOLTAGE (VDC) | OUTPUT CURRENT (max. mA) | EFFICIENCY FULL LOAD (% TYP.) |
|--------------|-----------------------------|-----------------------|-------------------------|----------------------|--------------------------|-------------------------------|
| P10SG-0505ZM | 5 | 88 | 615 | +/- 5 | +/- 200 | 65 |
| P10SG-0512ZM | 5 | 82 | 606 | +/- 12 | +/- 83 | 66 |
| P10SG-1205ZM | 12 | 65 | 252 | +/- 5 | +/- 200 | 66 |
| P10SG-2405ZM | 24 | 52 | 128 | +/- 5 | +/- 200 | 65 |
| P10SG-2412ZM | 24 | 10 | 121 | +/- 12 | +/- 83 | 69 |

Dimensions



Derating Graph and Pinning



Specification can be changed without notice.

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